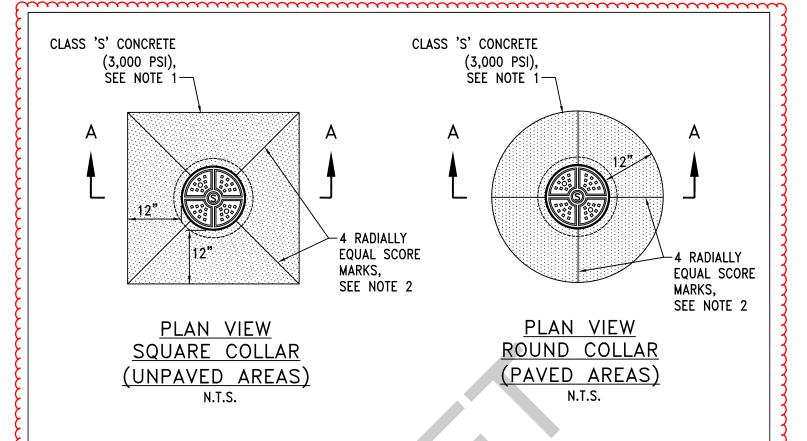
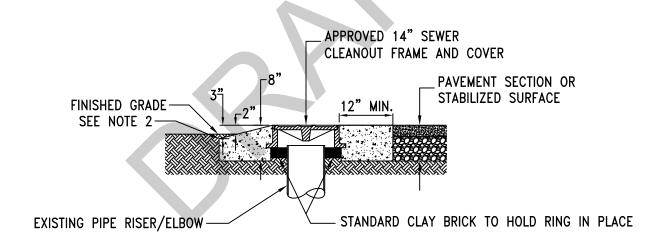


FOR CONSTRUCTION DETAILS SEE SUBSECTION 3.3.3(D)(i).

ISSUED:	STANDARD DETAIL		DETAIL NO.
8/92 (WWM-307)			DWDD 206
REVISED:	FLOW CHANNEL COVER	PIMA COUNTY	RWRD 306
12/12		WASTEWATER RECLAMATION	SHEET 1 OF 1

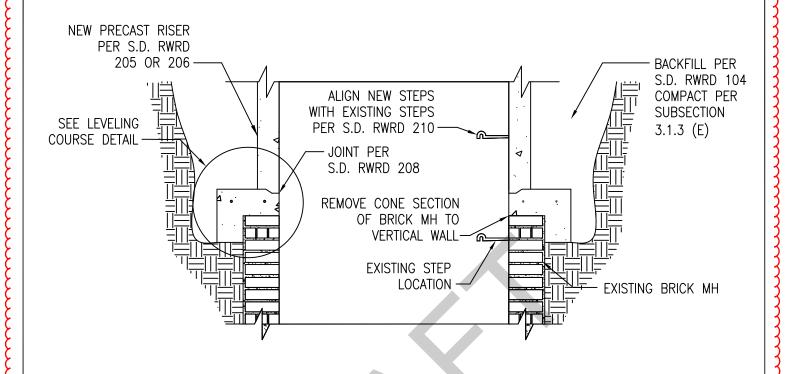


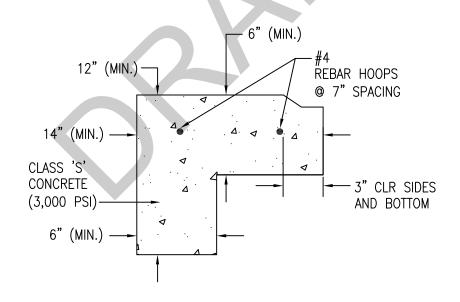


SECTION A-A

- 1. ALL COLLARS SHALL BE FORMED.
- 2. FINISH ALL CONCRETE EDGES AND SCORE MARKS WITH A HAND TROWEL HAVING A 1/4" RADIUS. EXPOSED CONCRETE SURFACES SHALL HAVE A MEDIUM BROOM FINISH.

ISSUED:	STANDARD DETAIL		DETAIL NO.
10/15	GRADE ADJUSTMENT FOR		
REVISED:	EXISTING CLEANOUTS	PIMA COUNTY WASTEWATER RECLAMATION	RWRD 307
EXISTING CLEANOUTS	WASTEWATER RECLAMATION	SHEET 1 OF 1	





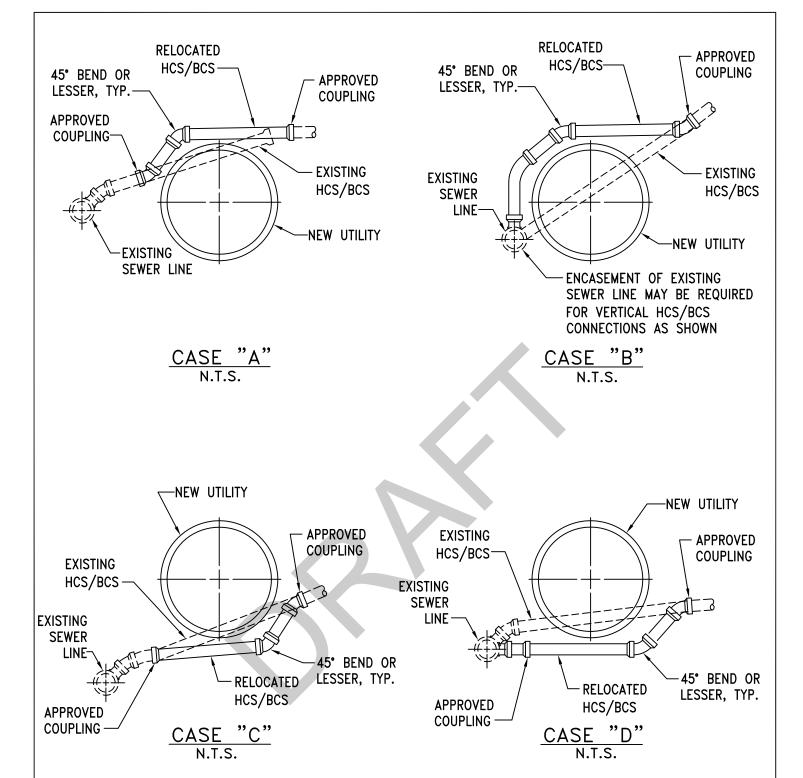
LEVELING COURSE DETAIL N.T.S.

ISSUED:	STANDARD DETAIL
10/15	LEVELING COURSE FOR
REVISED:	
	BRICK MH RECONSTRUCTION



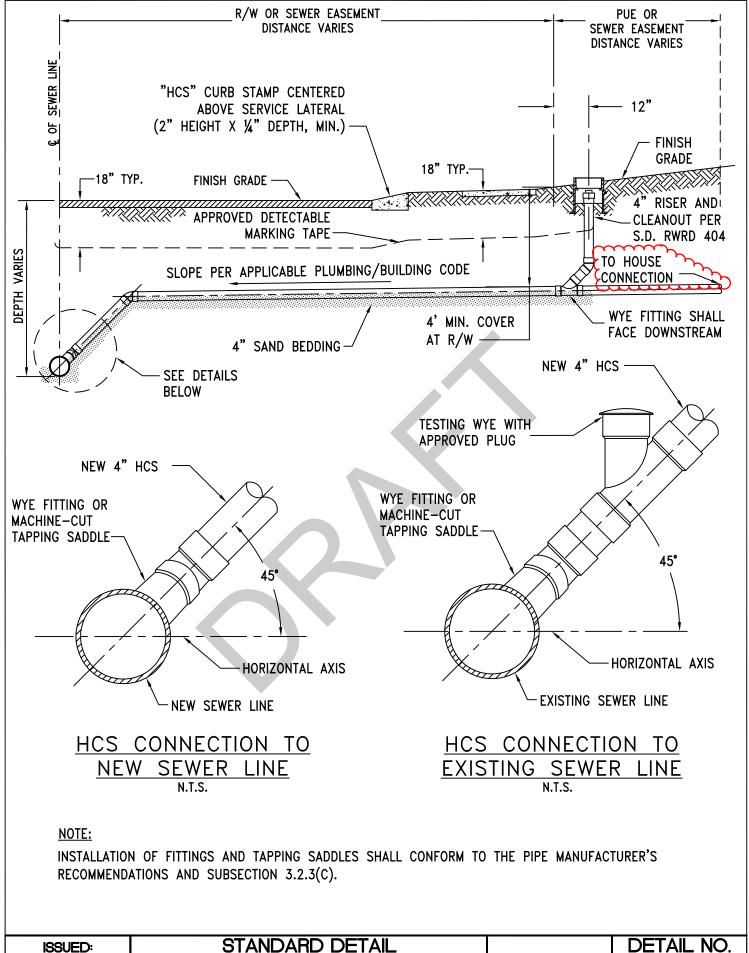
DETAIL NO. RWRD 308

SHEET 1 OF 1

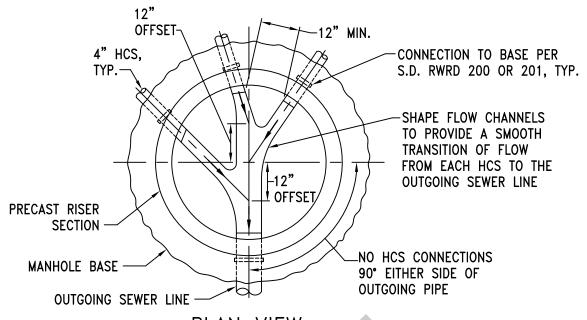


- 1. THE MATERIAL OF THE RELOCATED SERVICE LATERAL (HCS/BCS) SHALL BE PVC EXCEPT WHERE THERE IS LESS THAN 12" OF CLEARANCE BETWEEN THE NEW UTILITY OR LESS THAN 3' OF COVER TO FINISHED GRADE. IN SUCH CASES, THE PIPE MATERIAL LOCATED WITHIN THE RIGHT OF WAY, SHALL BE DIP.
- 2. USE OF CASE "D" TYPE REROUTING DEPENDS ON THE LEVEL OF FLOW (PRESENT AND FUTURE) WITHIN PUBLIC SEWER AND IS SUBJECT TO CASE—BY—CASE APPROVAL BY THE FIELD ENGINEER.
- 3. THE MINIMUM SLOPE ON ANY REROUTED SERVICE LATERAL SHALL BE 1.00%.

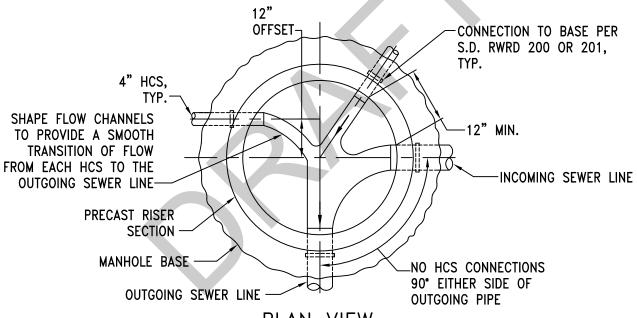
ISSUED:	STANDARD DETAIL		DETAIL NO.
8/92 (WWM-404)			
REVISED:	HCS REROUTING	PIMA COUNTY	RWRD 400
12/12		WASTEWATER RECLAMATION	SHEET 1 OF 1



ISSUED:	STANDARD DETAIL		DETAIL NO.
8/92	HCS CONNECTION		RWRD 401
REVISED:	TO SEWER LINE	PIMA COUNTY	
10/15	10 SEWER LINE	WASTEWATER RECLAMATION	SHEET 1 OF 1



(TERMINAL MANHOLE IN CUL-DE-SAC)
N.T.S.



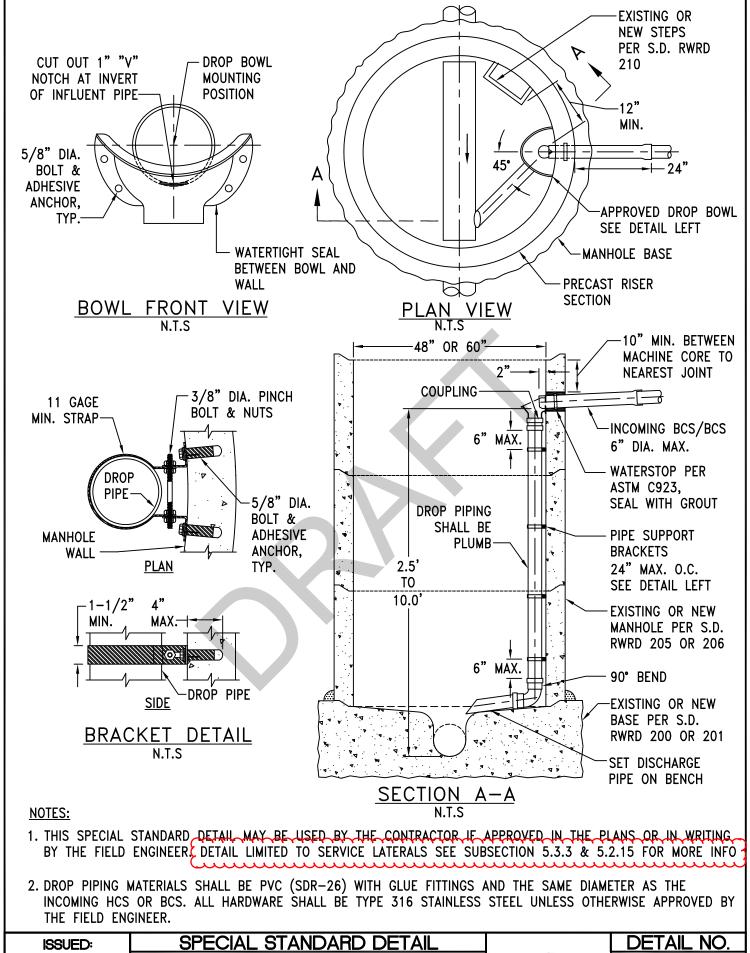
PLAN VIEW

(90° MANHOLE IN KNUCKLE INTERSECTION)

N.T.S.

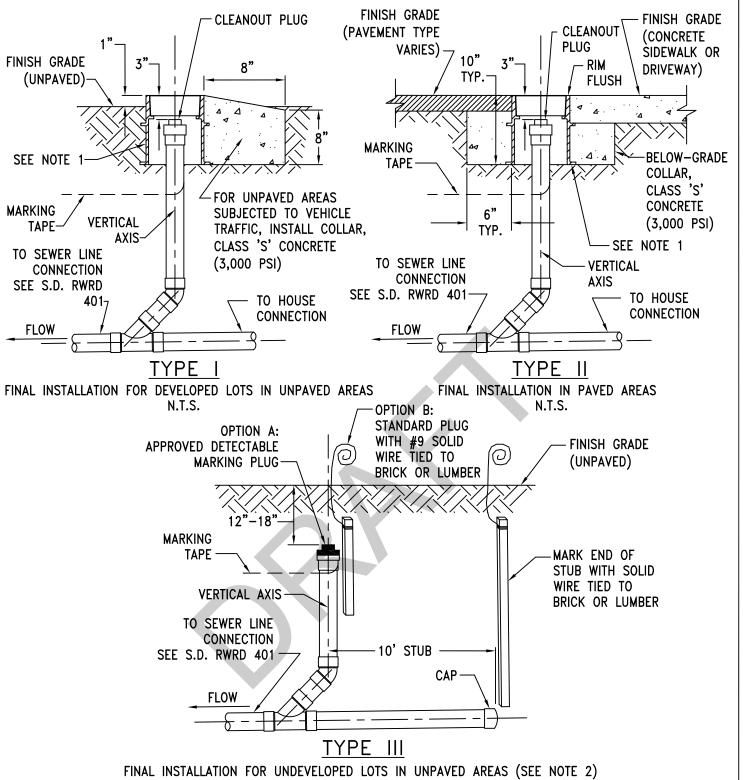
- 1. THIS SPECIAL STANDARD DETAIL MAY BE USED BY THE CONTRACTOR IF APPROVED IN THE PLANS OR IN WRITING BY THE FIELD ENGINEER.
- 2. THE CONNECTION OF 4" DIAMETER HOUSE CONNECTION SEWERS (HCS) INTO MANHOLES SHALL BE AVOIDED EXCEPT WHERE INDICATED ON THE PLANS OR AS APPROVED BY THE FIELD ENGINEER.
- 3. THE CROWN ELEVATION OF EACH HCS SHALL MATCH THE CROWN ELEVATION OF THE OUTGOING SEWER LINE.

ISSUED:	SPECIAL STANDARD DETAIL		DETAIL NO.
8/92	HCS CONNECTIONS	PIMA COUNTY WASTEWATER RECLAMATION	RWRD 402
REVISED:			100 40Z
12/12	TO MANHOLES		SHEET 1 OF 1



12/12
REVISED:
HCS INTERNAL DROP
MANHOLE CONNECTION

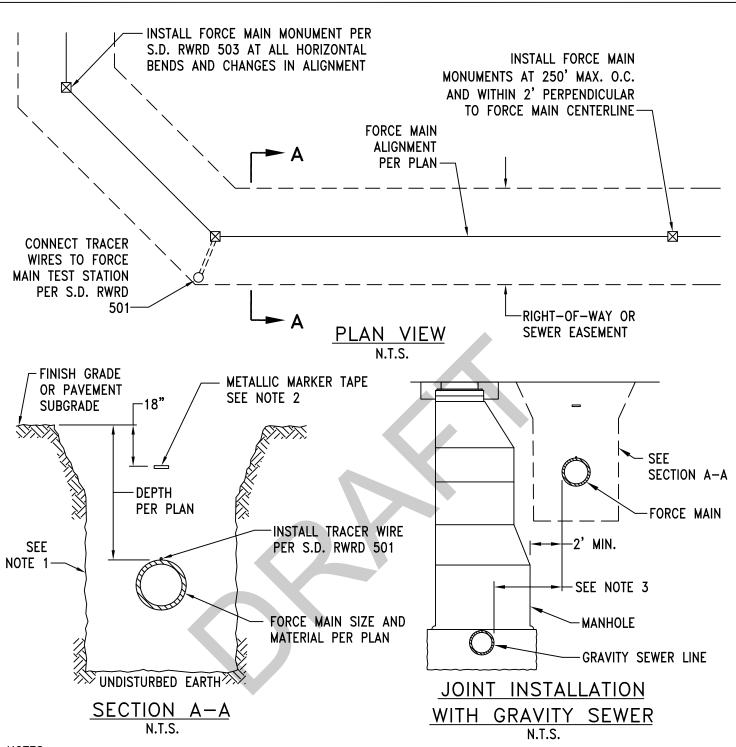
SHEET 1 OF 1



N.T.S.

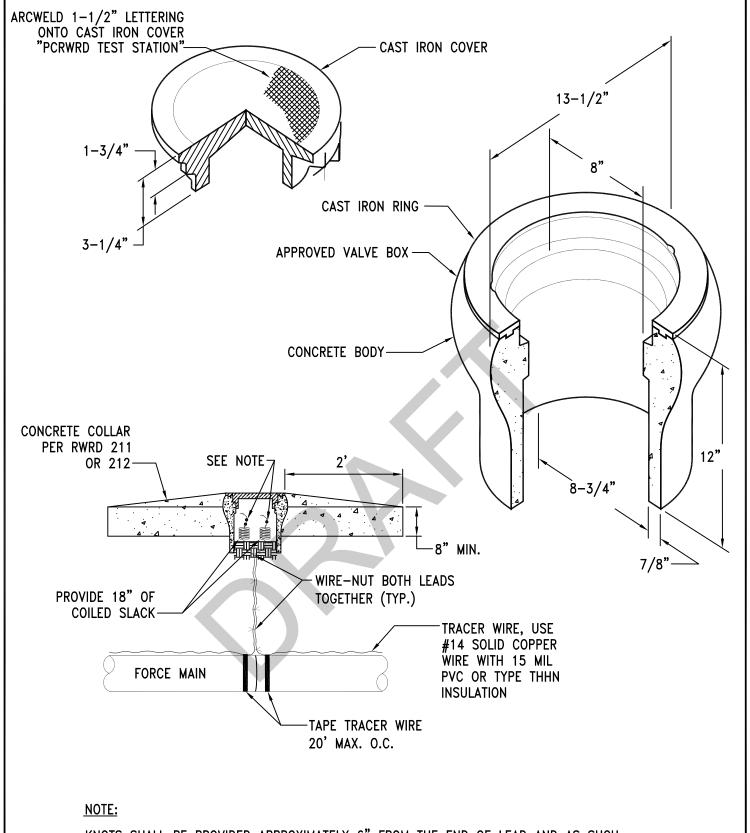
- 1. BOX AND COVER PER PC/COT STANDARD DETAIL W-300 WITH MODIFIED COVER LABELED "SEWER" UNLESS OTHERWISE APPROVED BY THE FIELD ENGINEER.
- 2. A COMPLETED MEMORANDUM OF UNDERSTANDING FORM IS REQUIRED TO IDENTIFY OPTION A OR OPTION B FOR TYPE III CLEANOUT RISER INSTALLATIONS. CONTACT THE FIELD ENGINEER FOR THE CURRENT VERSION.
- 3. SEE SUBSECTION 3.2.3(C) FOR MORE INFORMATION.

ISSUED:	STANDARD DETAIL		DETAIL NO.
12/12		À	
REVISED:	HCS CLEANOUTS	PIMA COUNTY	RWRD 404
10/15		WASTEWATER RECLAMATION	SHEET 1 OF 1



- 1. TYPICAL TRENCH FOR FORCE MAINS SHALL CONFORM TO THE FLEXIBLE PIPE TRENCH REQUIREMENTS IN S.D. RWRD 104 WITH THE ADDITIONAL MODIFICATIONS AS SHOWN.
- 2. CONTINUOUS PRINTING ON MARKER TAPE SHALL STATE "CAUTION: SEWAGE FORCE MAIN" UNLESS OTHERWISE APPROVED BY THE FIELD ENGINEER.
- 3. FOR JOINT INSTALLATIONS WITH GRAVITY SEWER, THE MINIMUM HORIZONTAL CLEARANCE BETWEEN THE FORCE MAIN AND GRAVITY SEWER LINE SHALL NOT RESULT IN HORIZONTAL JOGGING OF THE FORCE MAIN AROUND MANHOLES.
- 4. SEE SUBSECTION 3.2.3(B)(v) FOR MORE INFORMATION.

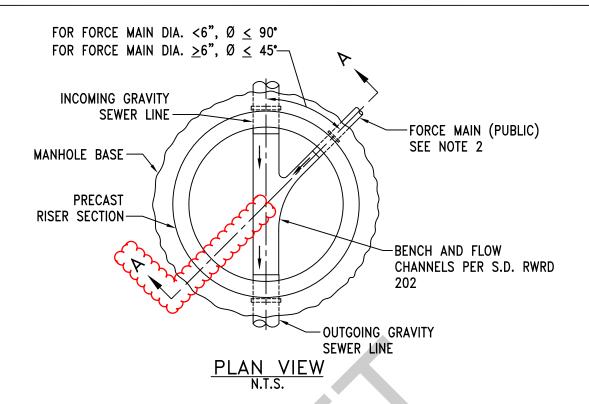
ISSUED:	STANDARD DETAIL		DETAIL NO.
8/92 (WWM-504)	TYPICAL TRENCH		RWRD 500
REVISED:	FOR FORCE MAINS	PIMA COUNTY	
12/12	FOR FORCE MAINS	WASTEWATER RECLAMATION	SHEET 1 OF 1

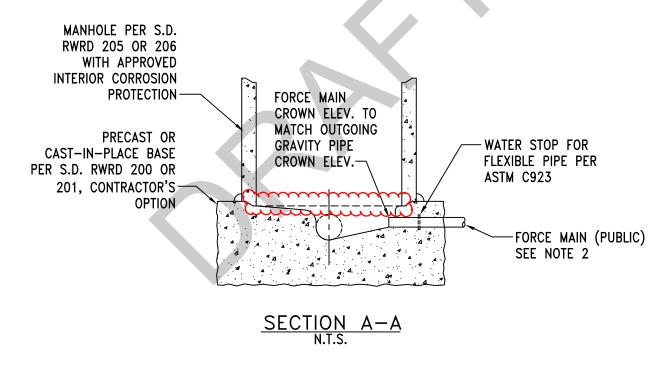


KNOTS SHALL BE PROVIDED APPROXIMATELY 6" FROM THE END OF LEAD AND AS SUCH:

- ANODE LEAD TO HAVE 2 KNOTS;
- TRACER WIRE RUNNING NORTHERLY OR EASTERLY TO HAVE ONE KNOT;
- TRACER WIRE RUNNING SOUTHERLY OR WESTERLY TO HAVE NO KNOTS.

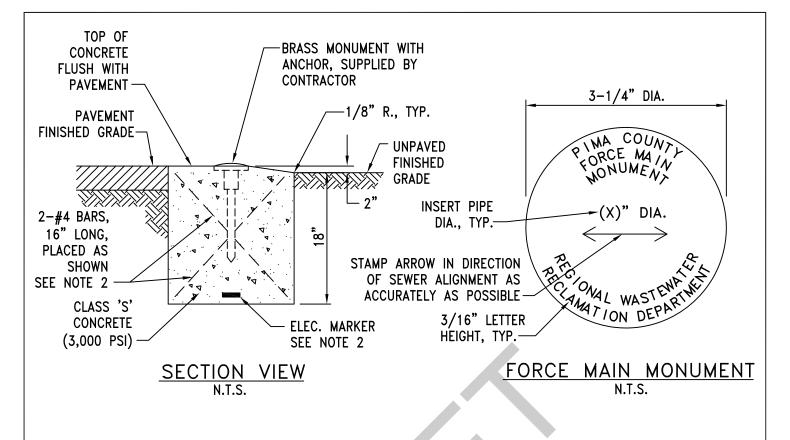
ISSUED:	STANDARD DETAIL	ar.	DETAIL NO.
8/92 (WWM-511)			RWRD 501
REVISED:	FORCE MAIN TEST STATION	PIMA COUNTY	וטפ טחאאח
12/12		WASTEWATER RECLAMATION	SHEET 1 OF 1

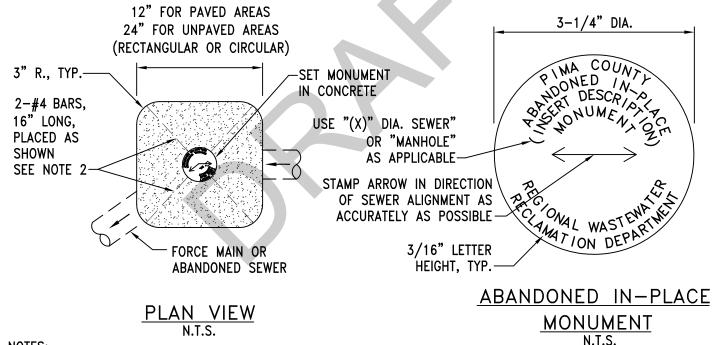




- 1. FOR TERMINAL MANHOLES, CONNECT THE FORCE MAIN IN THE SAME HORIZONTAL ALIGNMENT AS THE OUTGOING GRAVITY SEWER LINE.
- 2. THE CONNECTION OF A PRIVATE FORCE MAIN INTO A PUBLIC MANHOLE IS NOT PERMITTED. PRIVATE FORCE MAINS SHALL DISCHARGE INTO A PRIVATE MANHOLE, LOCATED ON PRIVATE PROPERTY. THE PRIVATE MANHOLE SHALL CONNECT TO A DOWNSTREAM PUBLIC MANHOLE WITH A PRIVATE GRAVITY SEWER LINE.

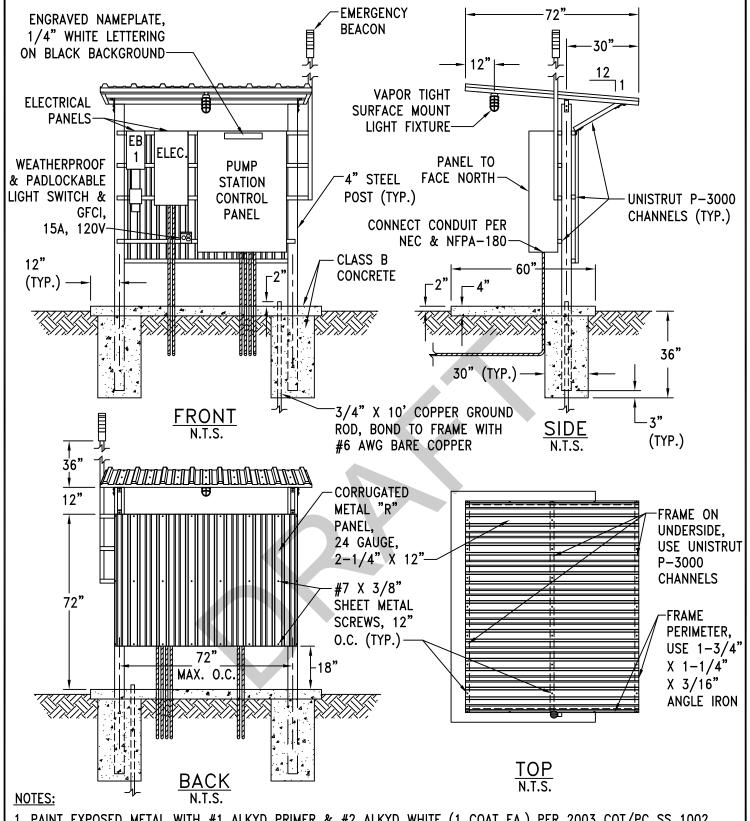
ISSUED:	STANDARD DETAIL	<u> </u>	DETAIL NO.
8/92 (WWM-505)	FORCE MAIN CONNECTION		
REVISED:	TO MANHOLE	PIMA COUNTY WASTEWATER RECLAMATION	RWRD 502
10/15		WASTEWATER RECLAMATION	SHEET 1 OF 1





- **NOTES:**
- 1. MONUMENT DATA SHALL BE AS SHOWN, WITH THE EXCEPTION OF THE NOTATION IN PARENTHESIS TO BE MODIFIED AS NOTED.
- 2. REINFORCING BARS MAY BE DELETED WITH THE INSTALLATION OF AN APPROVED ELECTRONIC MARKER SYSTEM PLACED AT THE BASE OF THE MONUMENT AS SHOWN.
- 3. ABANDONMENT MONUMENTS SHALL BE PLACED AT THE TERMINAL ENDS OF ABANDONED SEWER LINES/FORCE MAINS WITH A MAXIMUM SPACING OF 250' AND CENTERED ABOVE ABANDONED MANHOLES.

ISSUED:	STANDARD DETAIL	4	DETAIL NO.
8/92 (WWM-507/508)	FORCE MAIN AND		RWRD 503
REVISED:	A DANDONIA ENT MONIUMENTO	PIMA COUNTY	
12/12	ADAINDONNILINI MONOMENIS	WASTEWATER RECLAMATION	SHEET 1 OF 1



- 1. PAINT EXPOSED METAL WITH #1 ALKYD PRIMER & #2 ALKYD WHITE (1 COAT EA.) PER 2003 COT/PC SS 1002.
- 2. EQUIPMENT MAY BE RECONFIGURED TO MEET JURISDICTIONAL AGENCY AND MANUFACTURER'S REQUIREMENTS. INSTALL ADDITIONAL SUPPORT POST(S) AS NEEDED AT 72" MAX. O.C. FOR ADDITIONAL PANEL WIDTH.
- 3. CABINETS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: UL LISTED, NEC COMPLIANT, DEAD FRONT SAFETY TYPE, COPPER BUS BARS WITH FULL NEUTRAL, STEEL CABINET WITHOUT KNOCKOUTS AND PADLOCKABLE.

ISSUED:	STANDARD DETAIL		DETAIL NO.
8/92 (WWM-510)	EQUIPMENT SUPPORT AND		
REVISED:		PIMA COUNTY	RWRD 504
12/12	SHADE STRUCTURE	WASTEWATER RECLAMATION	SHEET 1 OF 1